December 26, 2014

Mr. Sam Schrecongost
GSA Safety Environment and Fire Protection Branch
301 7th Street, S.W., Room 2080
Washington, D.C. 20407

RE: Annual Fibers-in-Air Survey at 1951 Constitution Avenue, NW (DC0032ZZ)

TTL-Arc Environmental Project Number: 11892.18/342-3

Dear Mr. Schrecongost:

In accordance with our Industrial Hygiene Services contract with the General Services Administration (GSA), TTL-Arc Environmental, JV LLC (TTL-Arc) performed the annual fibers-in-air (FIA) survey at 1951 Constitution Avenue, N.W., in Washington, D.C. on December 19, 2014. The sampling event was conducted as part of annual, routine monitoring of existing FIA levels within occupied spaces of the facility.

TTL-Arc's Industrial Hygienist, Mr. David Steen, performed the sampling. Mr. David Steen have received training equivalent to the National Institute for Occupational Safety and Health (NIOSH) 582 course for the sampling and analysis of fibers in air by NIOSH Method 7400.

Methodology

Fibers-in-air samples were collected to fulfill requirements under GSA Fibers-in-Air protocols. As per the scope of work, ten ambient air samples were collected using low volume sampling pumps with flow rates equal to or less than 3.5 liters per minute. Flow rates were measured with a rotameter that had been calibrated against a primary standard according to TTL-Arc's Quality Assurance/Quality Control (QA/QC) program. Two field blanks were collected for QA/QC purposes.

A minimum total air volume of 1200 liters (L) was obtained for all samples. Air samples were collected during normal working hours at locations designated by the assigned building manager. Sampling cassettes were located three (3) to five (5) feet above ground to represent the breathing level; the sampling pumps were placed within occupied areas for the duration of the sampling period. The sample number and sample location for each sample are noted on the laboratory chain of custody and the Table 1, below.

The collected air samples were submitted to Scientific Analytical Institute (SAI), of Greensboro, North Carolina for analysis via Phase Contrast Microscopy (PCM) using NIOSH Method 7400. SAI is a participant in the American Industrial Hygiene Association's (AIHA's) Proficiency Analytical Testing (PAT) program for asbestos-in-air analysis and is an accredited AIHA Industrial Hygiene Laboratory (IHLAP).

Table 1
Fibers-in-air Sampling and Analysis Summary

Sample Number	Location	PCM Results (f/cc)	TEM Results (S/mm^2)
121914-3-01	3rd Floor -Room 344	<0.0020	-
121914-3-02	3rd Floor - Room 355-I	<0.0020	-
121914-3-03	3rd Floor - Room 315	<0.0020	-
121914-2-04	2nd Floor - Room 244	<0.0020	-
121914-2-05	2nd Floor - Room 265	<0.0020	-
121914-2-06	2nd Floor - Room 210	<0.0020	-
121914-1-07	1st Floor - Room 145	<0.0021	-
121914-1-08	1st Floor - Room 116	<0.0021	-
121914-B-09	Basement Level - Room 034	<0.0021	-
121914-B-10	Basement Level - Room 020	<0.0021	-
121914-FB-01	QA	<7.0 fibers	-
121914-FB-02	QA	<7.0 fibers	-

Results

Of the ten samples, none yielded PCM results above the 0.01 fibers per cubic centimeter of air (f/cc) threshold for re-occupancy; therefore, no samples were upgraded for analysis using Transmission Electron Microscopy (TEM). No further action is required at this time.

TTL-Arc Environmental is pleased to have performed this air monitoring and analysis for GSA. If you have any questions please call us at (410) 659-9971.

Sincerely,
TTL-Arc Environmental JV, LLC

Stacy Kahatapitiya, CHMM, LEED GA
Project Manager

Christopher Younger, CIH
Industrial Hygienist Manager – National Region

Attachment A:

Laboratory Certificates of Analysis

1915 N. 12th Street • Toledo, OH 43604 • tel 410.659.9971 • fax 410.962.1065